



IFW

I hereby certify that this correspondence
is being deposited with the United States
Postal Service as first-class mail in an
envelope addressed to: Asst. Commissioner
of Patents, Alexandria, VA 22313-1450 on
this 7 day of October 2004

By


JOHN A. PARRISH

Patent

DOCKET NO. PSU-013

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Allcock et al

)
)

SERIAL NO.: 10/779483

FILED: February 13, 2004

)
)

Art Unit: Unassigned

FOR: Synthesis of Polyphosphazenes with
Sulfonimide Side Groups

)
)
)
)

Examiner: Unassigned

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. 1.56 AND
37 C.F.R. 1.97-1.98

SIR:

Pursuant to 37 C.F.R. 1.56 AND 37 C.F.R. 1.97-1.98, Applicants hereby direct the Examiner's attention to the documents cited on the attached PTO-Form 1449, including the international search report form the PCT counterpart to the subject application and documents cited therein. Copies of the above-noted documents are submitted herewith. The Examiner is respectfully requested to consider each of these documents, and to make them of record in this application by initially in the appropriate space on the Form PTO-1449.

Applicants respectfully request that the Examiner include a copy of the initialed PTO-Form 1449 with the next communication from the U.S. Patent and Trademark Office. Since the submission of this information disclosure statement is prior to receipt of an office action on the merits, no fee is due.

Should the Examiner have any questions or comments regarding this matter, the undersigned may be contacted at the below-listed telephone number.

Respectfully submitted,



John A. Parrish
Reg. No. 31,918
Telephone: 610 617 8960

Enclosures

<p>Form PTO-1449 U.S. Department of Commerce (Rev. 2-32) Patent and Trademark Office</p> <p>INFORMATION DISCLOSURE STATEMENT STATEMENT BY APPLICANT</p> <p><i>(Use several sheets if necessary)</i></p>	ATTY. DOCKET NO. PSU-013	SERIAL NO. 10/779 483
	APPLICANT: Allcock et al.	
	FILING DATE February 13, 2004	GROUP Unassigned

OCT 14 2004

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	4107146	1978	Dieck et al			
AB	4242499	1980	Allcock et al			
AC	5457160	1995	Allcock et al			
AD	5723664	1998	Sakaguchi et al			
AE	5747604	1998	Allcock et al			
AF	5756231	1998	Andrei et al.			
AG	5962169	1999	Angell et al			
AH	6033804	2000	Doyle			
AI	6087031	2000	Iwasaki et al			
AJ	6124060	2000	Akita et al			
AK	6183623	2001	Cisar et al.			
AL	6248469	2001	Formato et al			
AM	6365294	2002	Pintauro et al			
AN	6423784	2002	Hamrock et al			
AL	6444343	2002	Prakash et al			
AM	6478987	2002	Akita et al			
AN	6492047	2002	Peled et al			
AN-1	20020127474	2002	Fleischer et al			

EXAMINER INITIALS	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
AQ	Ren et al, High Performance Direct Methanol Polymer Electrolyte Fuel Cells, J. Electrochemical Soc. Vol. 143, January 1996, pp.	
AR	Koppel et al, The Gas-Phase Acidities of very strong neutral Bronsted Acids, J. Am. Chem. Soc. 1994, 116, 3047-3057, 1994	
AS	Inzelt et al, Electron and proton conducting polymers: recent developments and prospects, Electrochimica Acta 45 (2000) 2403-2421	
AT	Appleby, Electrochemical energy-progress towards a cleaner future: lead/acid batteries and the competition, J. Of Power sources 53 (1995) 187-197	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<p>Form PTO-1449 U.S. Department of Commerce (Rev. 2-32) Patent and Trademark Office</p> <p>INFORMATION DISCLOSURE STATEMENT STATEMENT BY APPLICANT (Use several sheets if necessary)</p>	ATTY. DOCKET NO. PSU-013	SERIAL NO. 10/779 483
	APPLICANT: Allcock et al.	
	FILING DATE February 13, 2004	GROUP Unassigned

EXAMINER INITIALS	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
AU	Alberti et al, Solid State Protonic Conductors, Present Main Applications And Future Prospects, Solid State Ionics 145 (2001) 3-16	
AV	Appleby, electrochemical energy-progress towards a cleaner future: lead/acid batteries and the competition, J. Power Sources 53 (1995) 187-197	
AW	Allcock et al, Synthesis of High Polymeric Alkoxy- and Aryloxyphosphonitriles, J. Am chem. Soc. /87:18/September 20, 1965,	
AX	Allcock et al, Polyphosphazenes with Etheric Side Groups; Prospective Biomedical and Solid Electrolyte Polymers, Macromolecules 1986, 19, 1508-1512	
B3	Allcock et al, Synthesis, Characterization, and Modification of Poly(organophosphazenes) with Both 2,2,2-Trifluoroethoxy and Phenoxy Side Groups, Macromolecules 1994, 27, 3933-3942	
AZ	Allcock et al, Gel electrolytes from co-substituted oligoethyleneoxy/trifluoroethoxy linear polyphosphazenes, Solid State ionics 143 (2001) 297-308	
B1	Barbir et al, Efficiency and Economics Of Proton Exchange Membrane (PEM) Fuel Cells, Int. J. Hydrogen Energy, Vol. 21, No. 10, pp. 891-901, 1996	
B2	Blonsky et al, Polyphosphazene solid electrolytes, J. Am. Chem. Soc. 1984, 106, 6854-55	
B3	Blonsky et al, Complex Formation and Ionic Conductivity of Polyphosphazene Solid Electrolytes, Solid State Ionics 18 & 19 (1986) 258-264	
B4	Chalkova et al, Sulfonimide polyphosphazene based H2/O2 Fuel Cells, Electrochemical And Solid State Letters, 5 (10) A221-A222 (2002)	
B6	Chovino et al, Vol. 35, 2719-2728 (1997)	
B6	Derand et al, Elecrochimica Acta, Vol. 43, nos. 10-11, pp. 1525-1531, 1998	
B7	Fujinami et al, Chem Mater, 1997, 9, 2236-39	
B8	Ganapathiappan et al, J. Am. Chem. Soc. 1989, 111, 4091-95	
B9	Guo et al, j. Membrane science 154 (1999) 175-81	
B10	Hardy et al, J. Am. Chem. Soc. 1985, 107, 3823-3828	
B11	Hofmann et al, Macromolecules 2002, 35, 6490-6493	
B12	Inzelt et al, Electrochimica Acta 45 (2000) 2403-2421	
B13	Koppel et al, J. Am. Chem. Soc. 1994, 116, 3047-57	
B14	Luther et al, J. Phys. Chem. B 2003, 107, 3168-76	
B15	Matsushita, Solid state ionics 133 (2000) 295-301	
B16	Onishi et al, Chem. Mater. 1996, 8, 469-472	
B17	Ren et al, J. electrochem. Soc., vol. 143, January 1996, pp. L12-L15	
B18	Siska et al, Chem. Mater. 2001, 13, no. 12, 4698-4700	
B19	Tada et al, Chem. Mater. 1994, 6, no. 1, 27-30	
B20	Tarascon et al, Nature, Vol. 414, 15 Nov 2001, pp. 359-367	
B21	Tsuchida et al, Macromolecules 1988, 21, no. 1, 96-100	
B22	Vincent, solid state ionics, 134 (2000) 159-167	
B23	Watanabe et al, Elecrochimica Acta 45 (2000) 1187-1192	
B24	Wycisk et al, J. Membrane Science 119 (1996) 155-160	
B25	Xu, Chem. Mater. 2002, 14, 401-409	

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	